Tribal Air Monitoring session
2014 National Air Monitoring Conference

This part of the session will be <u>informal</u> and the material covered in some slides are in their initial stages – it is <u>very crude</u> at the moment
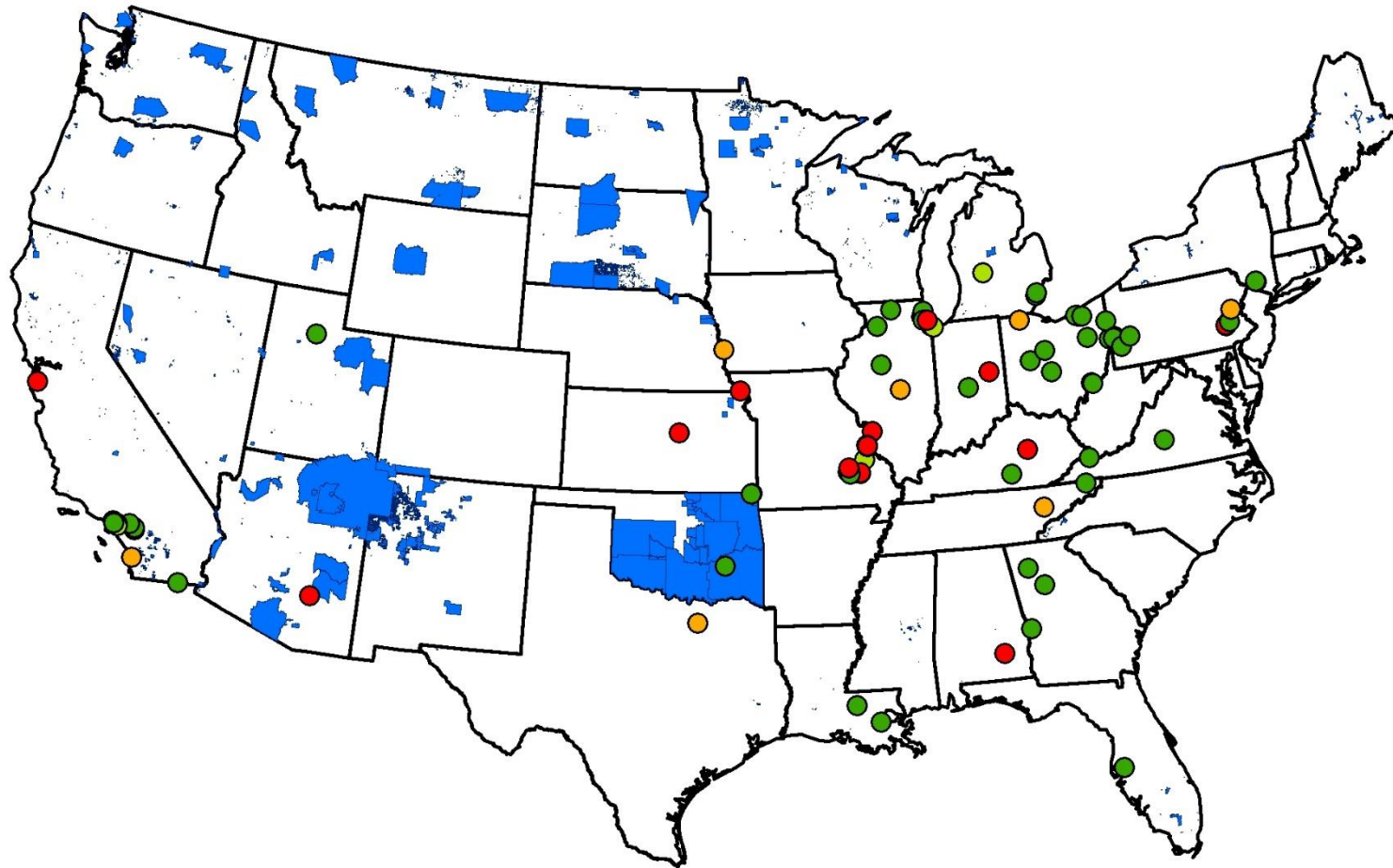– there may be errors

I will briefly discuss
- GIS project we are just starting work on
- ITEP/TAMS GIS in Air Quality course.

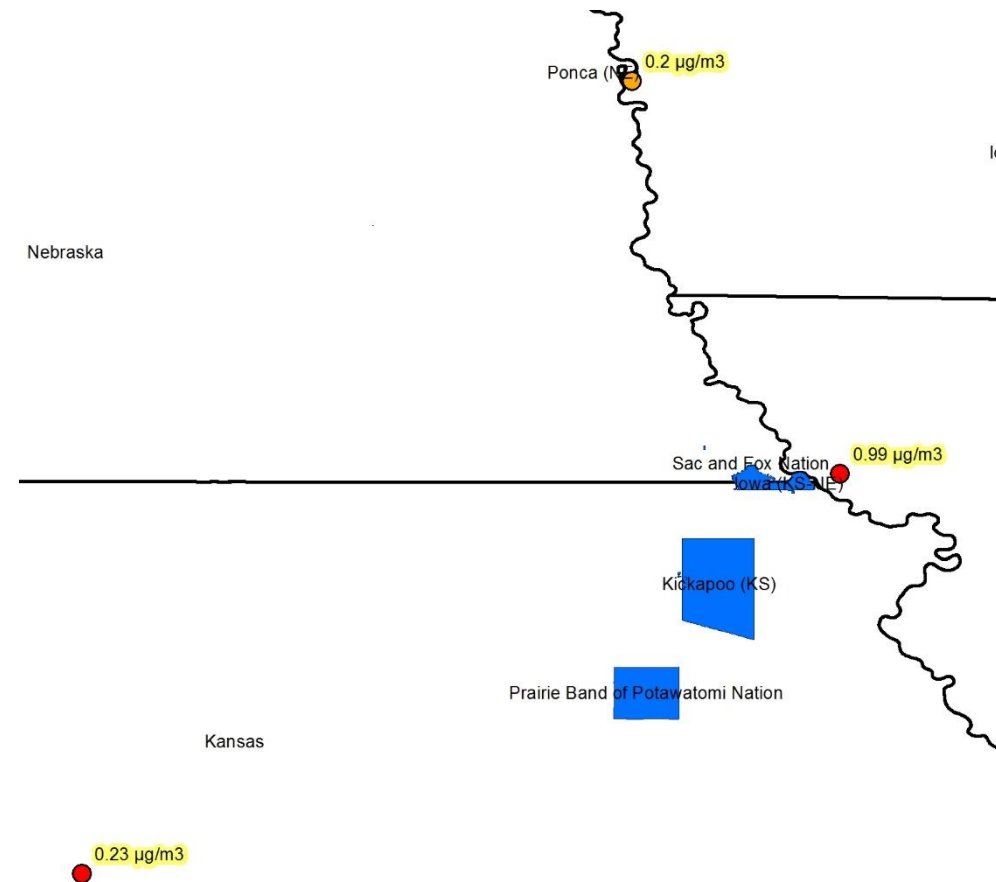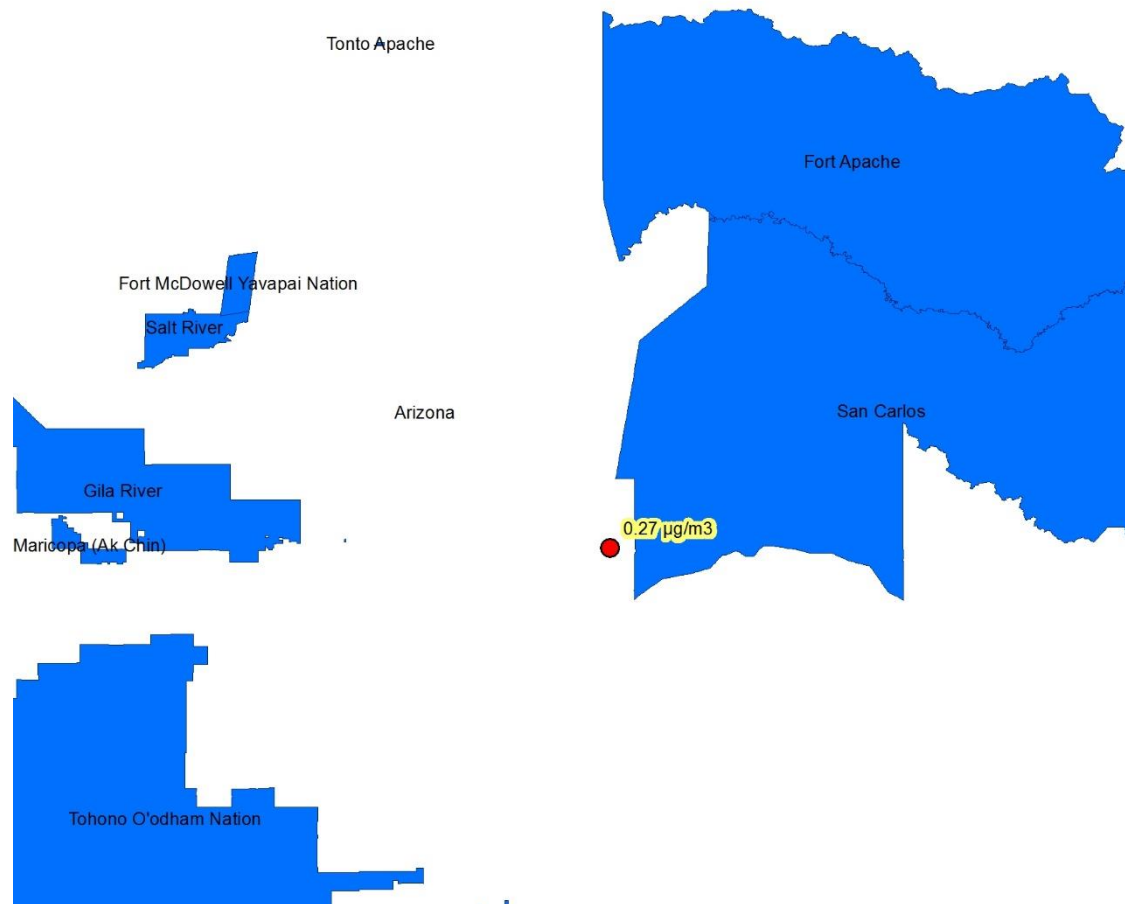Then, we will open the floor for questions about anything (GIS, air monitoring, HYSPLIT, QA/QC, TAMS, etc.).

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Very Rough Draft


Lead 2013 Design values (Orange and Red Exceed NAAQS)
Data Source: Design Value Report downloaded from AQS on 7/18/2014 (snapshot)

Tonto Apache

Fort Apache

Fort McDowell Yavapai Nation

Salt River

Arizona

San Carlos

Gila River

Maricopa (Ak Chin)

0.27 µg/m3

Tohono O'odham Nation

Nebraska

Ponca (NE)   0.2 µg/m3

Io

Sac and Fox Nation   0.99 µg/m3
Iowa (KS-NE)

Kickapoo (KS)

Prairie Band of Potawatomi Nation

Kansas

0.23 µg/m3

Lead NAAQS is 0.15µg/m^3 (rolling 3-month average)

Very Rough Draft

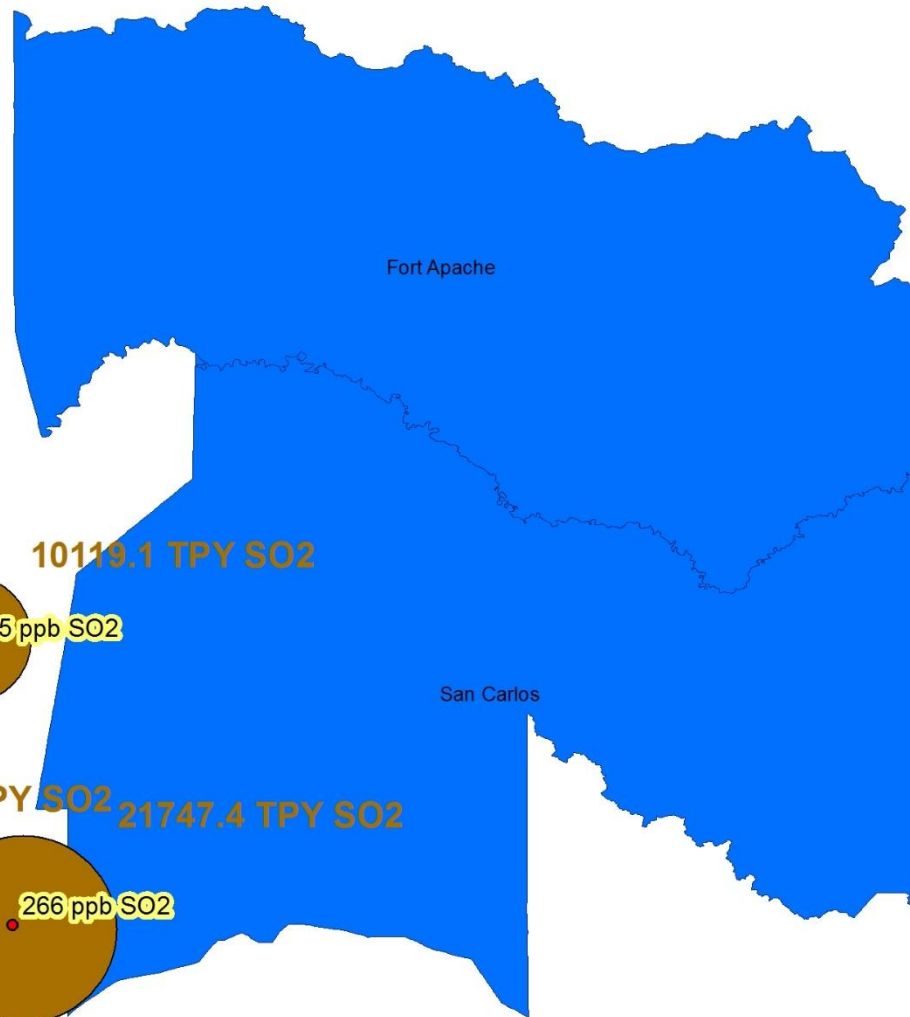SO^2 2013 Design Values (Orange and Red Exceed NAAQS)
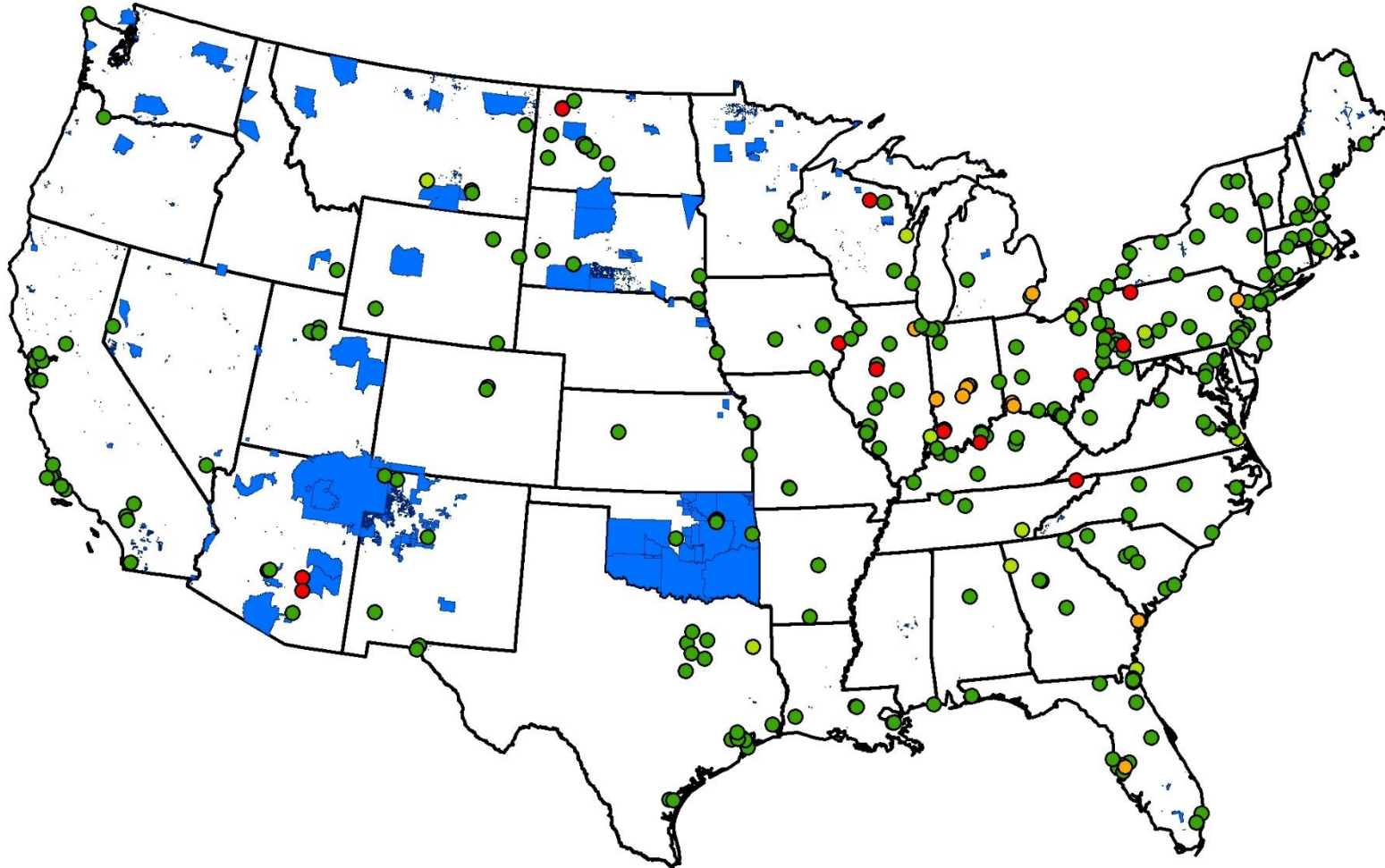
Very Rough Draft

Very Rough Draft

Tonto Apache

6049.7 TPY SO2

Fort Apache

Fort McDowell Yavapai Nation

Salt River

10119.1 TPY SO2

105 ppb SO2

5.6 TPY SO2

1 TPY SO2

San Carlos

24.2 TPY SO2 21747.4 TPY SO2

Gila River
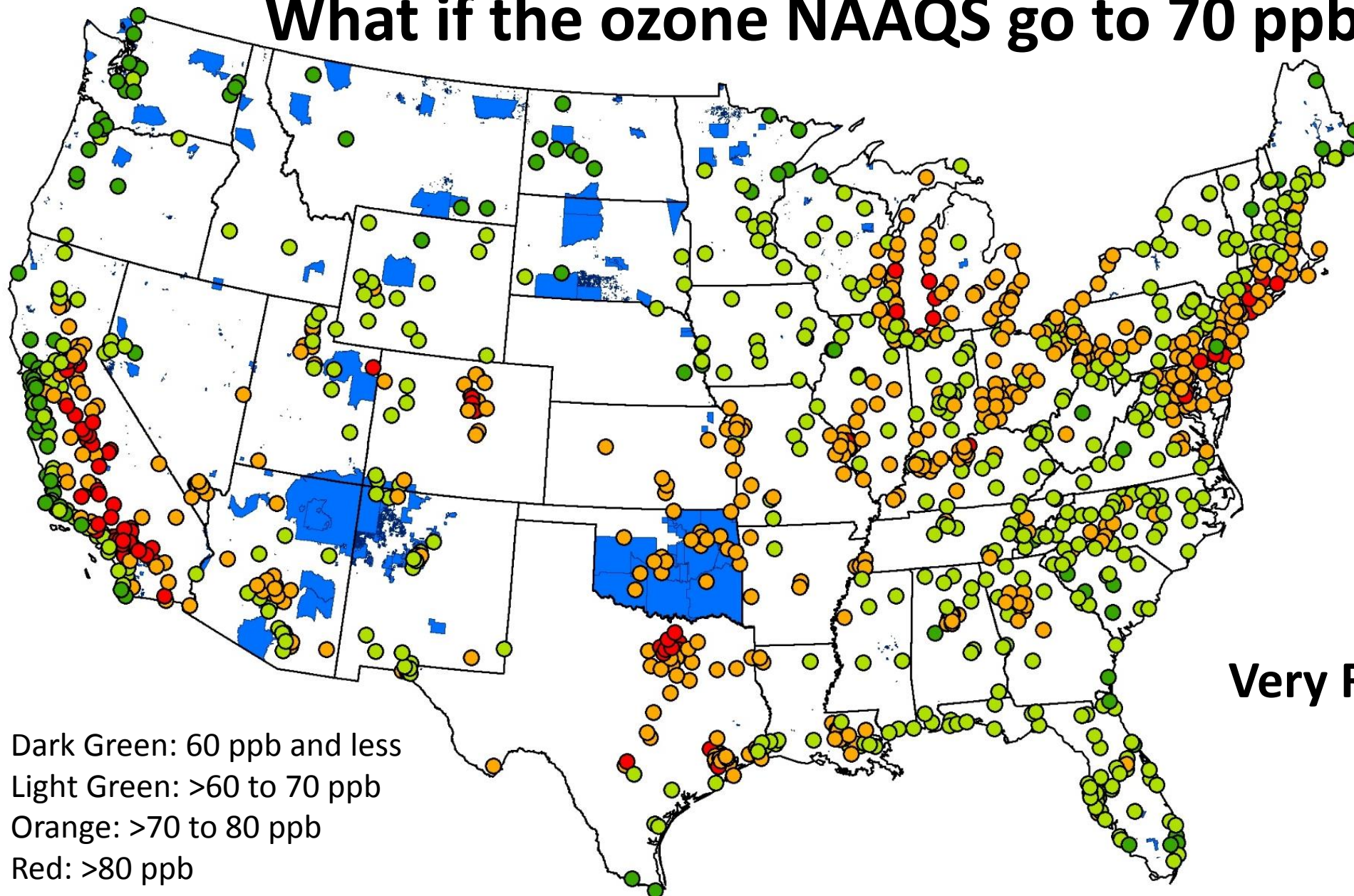
48.5 TPY SO2

2.3 TPY SO2

266 ppb SO2

1.6 TPY SO2

3.4 TPY SO2

SO^2 NAAQS is 75 ppb (1Hr - 99 percentile - 3 yr average)
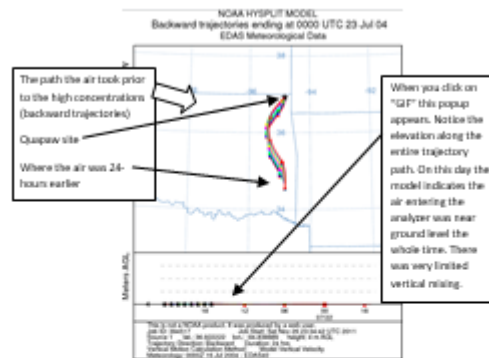
Point emission data source: 2011 National Emissions Inventory

What if the ozone NAAQS go to 70 ppb?

Very Rough Draft

Dark Green: 60 ppb and less
Light Green: >60 to 70 ppb
Orange: >70 to 80 ppb
Red: >80 ppb

The ITEP/TAMS GIS in Air Quality Course has 9 exercises utilizing screen shots to show the procedures
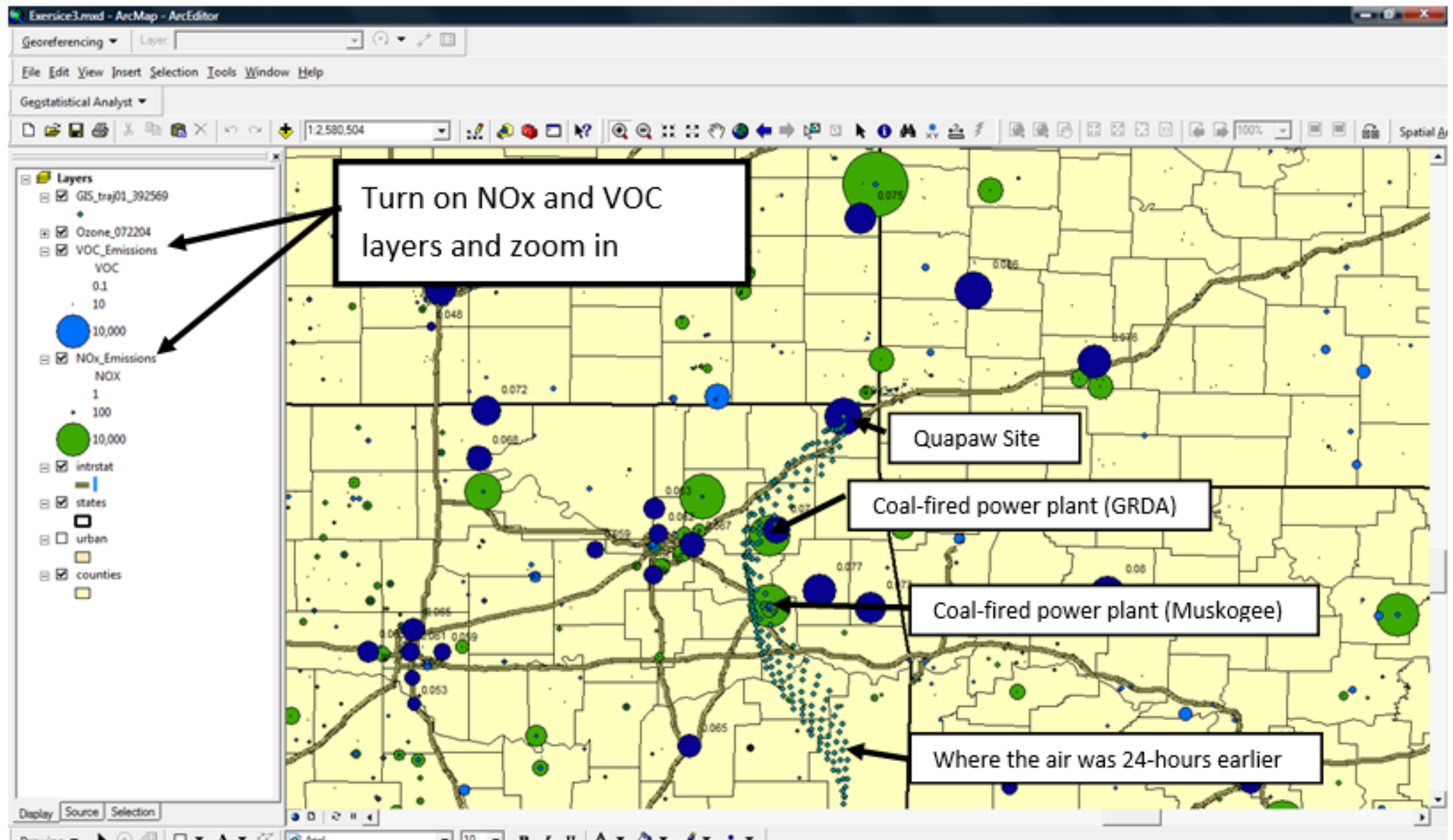
Exercise 3 in ITEP/TAMS GIS in Air Quality Course explores a high concentration on 7/22/04
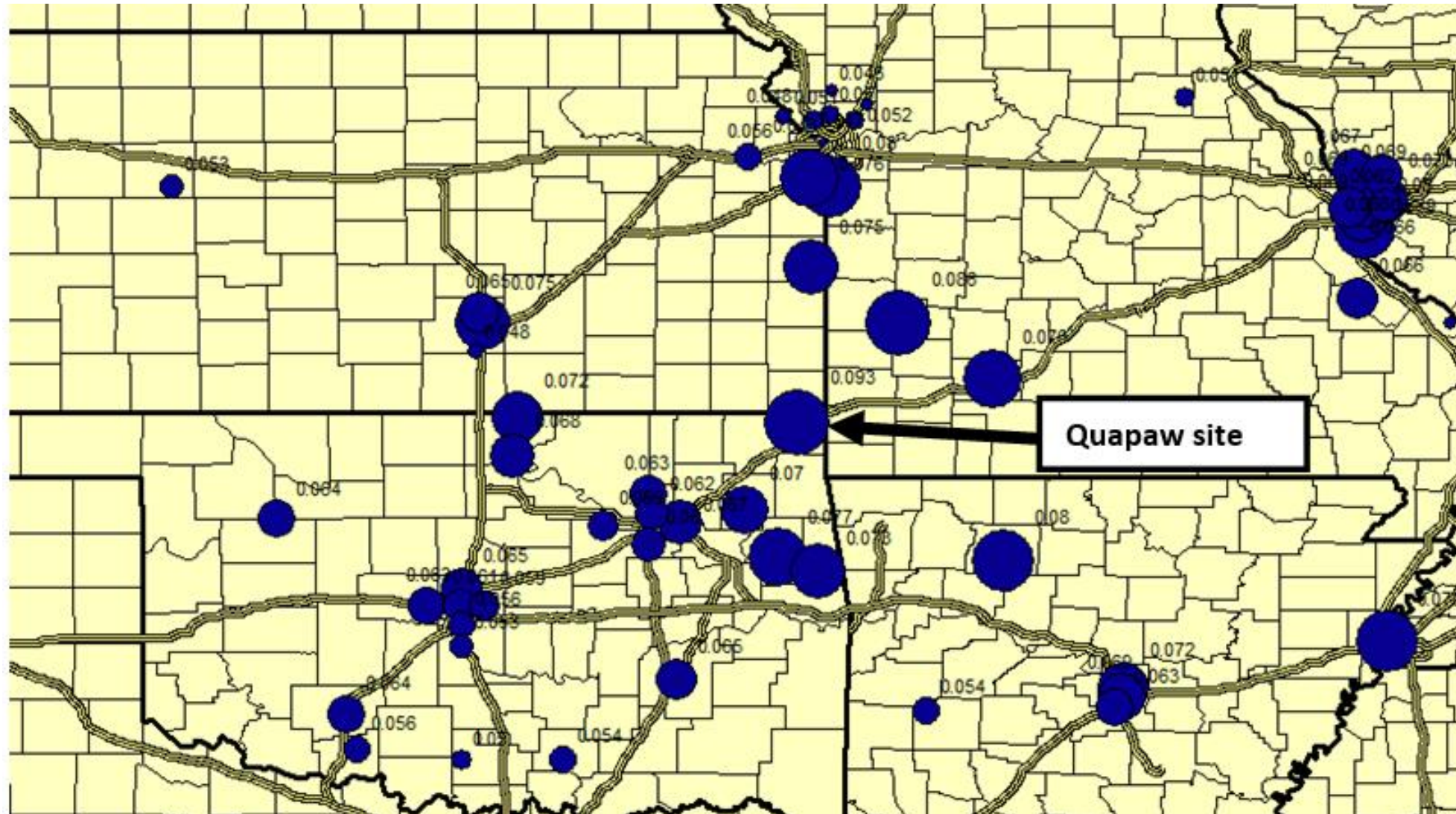
Exercise 3 in ITEP/TAMS GIS in Air Quality Course explores a high concentration

Discussion